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## TABLES

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**Table 1**  
**Groundwater Elevations**  
**Former Fulton Auto Wrecking Phase II ESA**  
**Cleveland, Cuyahoga County, Ohio**

Well Number	Depth to Water <sup>1</sup> 10/31/2013 (ft)	TOC Elevation (ft amsl)	Ground Surface Elevation (ft amsl) <sup>2</sup>	Groundwater Elevation 10/31/2013 (ft amsl)
MW01	27.52 ft	689.80	686.91	662.28
MW02	24.33 ft	686.46	683.82	662.13
MW03	24.75 ft	687.36	684.52	662.61
Well Number	Depth to Water <sup>1</sup> 11/4/2013 (ft)	TOC Elevation (ft amsl)	Ground Surface Elevation (ft amsl) <sup>2</sup>	Groundwater Elevation 11/4/2013 (ft amsl)
MW01	27.62 ft	689.80	686.91	662.18
MW02	24.37 ft	686.46	683.82	662.09

Notes:

<sup>1</sup>Measurements taken from the top of well casing

<sup>2</sup>As measured at the concrete pad of the well

amsl = above mean sea level

ft = feet

TOC = top of casing











**Table 2**  
**Soil Analytical Results**  
**Former Fulton Auto Wrecking Property**  
**Cleveland, Cuyahoga County, Ohio**

Notes:

**Shaded/bold** indicate concentration exceeds one or more criterion (criterion exceeded indicated by superscript)

- <sup>a</sup> Concentration exceeds the Residential Single Chemical GDCSS
- <sup>b</sup> Concentration exceeds the C/I Single Chemical GDCSS
- <sup>c</sup> Concentration exceeds the CW Single Chemical GDCSS
- <sup>d</sup> Concentration exceeds the Generic LBSV

<sup>1</sup> Only positively detected chemicals displayed

<sup>2</sup> Total PCBs value is the sum of all positively detected PCB aroclors

- = Not analyzed or not available

°C = Degree Celsius

°F = Degree Fahrenheit

µg/kg = Micrograms per kilogram

% = Percent

bgs = Below ground surface

CI = Commercial/Industrial

CW = Construction Worker

ft = Feet

ID = Identification

GDCSS= Generic direct contact soil standard

J = Result is estimated

LBSV = Leach-Based Soil Values

mg/kg = Milligrams per kilogram

PCB = Polychlorinated biphenyl

R = Residential

SVOC = Semi-volatile organic compound

TPH = Total petroleum hydrocarbons

U = Parameter not detected, reporting limit is presented

VOC = Volatile organic compound

w/w % = Weight/weight percentage

Table 3  
Risk Ratio Calculation for 0 to 2 ft bgs  
Former Fulton Auto Wrecking Property  
Cleveland, Cuyahoga County, Ohio

Analytical Method	Chemical Name <sup>1</sup>	Units	Maximum Concentration	Location of Maximum Concentration	Residential Standard for Single Chemical (Noncarcinogen)	Residential Noncarcinogenic Risk Ratio	Residential Standard for Single Chemical (Carcinogen)	Residential Carcinogenic Risk Ratio	C/I Standard for Single Chemical (Noncarcinogen)	C/I Noncarcinogenic Risk Ratio	C/I Standard for Single Chemical (Carcinogen)	C/I Carcinogenic Risk Ratio	
<b>VOCs</b>													
EPA 8260	1,2,4-Trimethylbenzene	mg/kg	0.0051 J	FAW-SB10(0-2)-103113	8.50E+01	6.00E-03	-	-	1.20E+02	4.25E-05	-	-	
EPA 8260	n-Hexane	mg/kg	0.005 J	FAW-SB10(0-2)-103113	5.30E+02	9.43E-06	-	-	8.00E+02	6.25E-06	-	-	
EPA 8260	Toluene	mg/kg	0.0045 J	FAW-SB12(0-2)-103113	5.10E+03	8.82E-07	-	-	3.30E+04	1.36E-07	-	-	
<b>SVOCs</b>													
EPA 8270	2-Methylnaphthalene	µg/kg	3510 J	FAW-SB07(0-2)-103113	-	-	-	-	-	-	-	-	
EPA 8270	Acenaphthene	µg/kg	15300	FAW-SB07(0-2)-103113	3.50E+06	4.37E-03	-	-	5.60E+07	2.73E-04	-	-	
EPA 8270	Anthracene	µg/kg	40500	FAW-SB07(0-2)-103113	1.80E+07	2.25E-03	-	-	2.80E+08	1.45E-04	-	-	
EPA 8270	Benzo(a)anthracene	µg/kg	54800	FAW-SB07(0-2)-103113	-	-	1.10E+04	4.98E+00	-	-	7.60E+04	7.21E-01	
EPA 8270	Benzo(a)pyrene	µg/kg	44400	FAW-SB07(0-2)-103113	-	-	1.10E+03	4.04E+01	-	-	-	-	
EPA 8270	Benzo(b)fluoranthene	µg/kg	59800	FAW-SB07(0-2)-103113	-	-	1.10E+04	5.44E+00	-	-	7.70E+04	7.77E-01	
EPA 8270	Benzo(g,h,i)perylene	µg/kg	22800	FAW-SB07(0-2)-103113	-	-	-	-	-	-	-	-	
EPA 8270	Benzo(k)fluoranthene	µg/kg	17100	FAW-SB07(0-2)-103113	-	-	1.10E+05	1.55E-01	-	-	7.70E+05	2.22E-02	
EPA 8270	bis(2-Ethylhexyl)phthalate	µg/kg	43500	FAW-SB01(0-2)-102813	1.30E+06	3.35E-02	6.20E+05	7.02E-02	2.20E+07	1.98E-03	4.80E+06	9.06E-03	
EPA 8270	Butylbenzylphthalate	µg/kg	330000	FAW-SB10(0-2)-103113	1.30E+07	2.54E-02	6.20E+05	5.32E-01	2.20E+08	1.50E-03	4.80E+06	6.88E-02	
EPA 8270	Chrysene	µg/kg	46900	FAW-SB07(0-2)-103113	-	-	1.10E+06	4.26E-02	-	-	7.60E+06	6.17E-03	
EPA 8270	Dibenz(a,h)anthracene	µg/kg	6760 J	FAW-SB07(0-2)-103113	-	-	1.10E+03	6.15E+00	-	-	7.70E+03	8.78E-01	
EPA 8270	Dibenzofuran	µg/kg	12400	FAW-SB07(0-2)-103113	-	-	-	-	-	-	-	-	
EPA 8270	Fluoranthene	µg/kg	152000	FAW-SB07(0-2)-103113	2.40E+06	6.33E-02	-	-	3.70E+07	4.11E-03	-	-	
EPA 8270	Fluorene	µg/kg	19000	FAW-SB07(0-2)-103113	2.40E+06	7.92E-03	-	-	3.70E+07	5.14E-04	-	-	
EPA 8270	Indeno(1,2,3-cd)pyrene	µg/kg	21600	FAW-SB07(0-2)-103113	-	-	1.10E+04	1.96E+00	-	-	7.70E+04	2.81E-01	
EPA 8270	Naphthalene	µg/kg	12100 J	FAW-SB07(0-2)-103113	1.80E+05	6.72E-02	6.90E+04	1.75E-01	2.80E+05	4.32E-02	1.50E+05	8.07E-02	
EPA 8270	Phenanthrene	µg/kg	140000	FAW-SB07(0-2)-103113	-	-	-	-	-	-	-	-	
EPA 8270	Pyrene	µg/kg	112000	FAW-SB07(0-2)-103113	1.80E+06	6.22E-02	-	-	2.80E+07	4.00E-03	-	-	
<b>TPHs</b>													
EPA 8015 Mod Ex	Total Petroleum Hydrocarbons	mg/kg	947	FAW-SB09(0-2)-110113D	-	-	-	-	-	-	-	-	
EPA 8015 Mod Ex	TPH (C10-C20)	mg/kg	192	FAW-MW01(0-2)-102813D	-	-	-	-	-	-	-	-	
EPA 8015 Mod Ex	TPH (C20-C34)	mg/kg	880	FAW-SB09(0-2)-110113D	-	-	-	-	-	-	-	-	
<b>Metals</b>													
EPA 6010	Aluminum	mg/kg	14000	FAW-SB08(0-2)-110113	-	-	-	-	-	-	-	-	
EPA 6010	Antimony	mg/kg	16.6	FAW-MW01(0-2)-102813D	3.00E+01	5.53E-01	-	-	1.20E+03	1.38E-02	-	-	
EPA 6010	Arsenic	mg/kg	97	FAW-SB05(0-2)-103113	2.10E+01	4.62E+00	6.70E+00	1.45E+01	6.10E+02	1.59E-01	8.20E+01	1.18E+00	
EPA 6010	Barium	mg/kg	951	FAW-SB07(0-2)-103113	1.50E+04	6.34E-02	-	-	3.70E+05	2.57E-03	-	-	
EPA 6010	Beryllium	mg/kg	1.6	FAW-MW01(0-2)-102813	1.50E+02	1.07E-02	1.60E+04	1.00E-04	5.10E+03	3.14E-04	3.90E+04	4.10E-05	
EPA 6010	Cadmium	mg/kg	25.3	FAW-SB03(0-2)-103113	7.20E+01	3.51E-01	2.20E+04	1.15E-03	2.30E+03	1.10E-02	5.20E+04	4.87E-04	
EPA 6010	Chromium	mg/kg	66.9	FAW-SB05(0-2)-103113	2.30E+02	2.91E-01	3.30E+03	2.03E-02	8.40E+03	7.96E-03	7.90E+03	8.47E-03	
EPA 6010	Cobalt	mg/kg	18.5	FAW-SB05(0-2)-103113	1.40E+03	1.32E-02	1.40E+04	1.32E-03	2.30E+04	8.04E-04	3.40E+04	5.44E-04	
EPA 6010	Copper	mg/kg	794	FAW-SB04(0-2)-103113	-	-	-	-	-	-	-	-	
EPA 6010	Lead	mg/kg	2520	FAW-SB04(0-2)-103113	-	-	-	-	-	-	-	-	
EPA 6010	Nickel	mg/kg	151	FAW-SB03(0-2)-103113	1.50E+03	1.01E-01	-	-	4.40E+04	3.43E-03	-	-	
EPA 6010	Silver	mg/kg	6.1	FAW-MW01(0-2)-102813D	3.80E+02	1.61E-02	-	-	1.50E+04	4.07E-04	-	-	
EPA 6010	Thallium	mg/kg	3	FAW-SB01(0-2)-102813	6.10E+00	4.92E-01	-	-	2.30E+02	1.30E-02	-	-	
EPA 6010	Vanadium	mg/kg	72.1	FAW-SB05(0-2)-103113	6.80E+02	1.06E-01	-	-	2.60E+04	2.77E-03	-	-	
EPA 6010	Zinc	mg/kg	7140	FAW-SB03(0-2)-103113	2.30E+04	3.10E-01	-	-	8.80E+05	8.11E-03	-	-	
EPA 7471	Mercury	mg/kg	2.8	FAW-MW01(0-2)-102813D	7.60E+00	3.68E-01	-	-	2.90E+02	9.66E-03	-	-	
<b>PCBs</b>													
EPA 8082	PCB-1254 (Aroclor 1254)	µg/kg	280	FAW-SB11(0-2)-103113	-	-	-	-	-	-	-	-	
EPA 8082	PCB-1260 (Aroclor 1260)	µg/kg	205	FAW-SB03(0-2)-103113	-	-	-	-	-	-	-	-	
EPA 8082	Total PCBs <sup>2</sup>	µg/kg	280	FAW-SB11(0-2)-103113	1.20E+03	2.33E-01	4.00E+03	7.00E-02	1.80E+04	1.56E-02	2.60E+04	1.08E-02	
						Cumulative risk ratio	7.79	Cumulative risk ratio	74.37	Cumulative risk ratio	0.30	Cumulative risk ratio	9.81

Notes:

<sup>1</sup>Only positively detected chemicals displayed

<sup>2</sup>Total PCBs value is the sum of all positively detected PCB aroclors

µg/kg = Micrograms per kilogram

C/I = Commercial and Industrial

ID = Identification

J = Result is estimated

mg/kg = Milligrams per kilogram

PCB = Polychlorinated biphenyl

SVOC = Semivolatile organic compound

TPH = Total petroleum hydrocarbons

VOC = Volatile organic compound

Table 4  
Risk Ratio Calculation for 0 to 4 ft bgs  
Former Fulton Auto Wrecking Property  
Cleveland, Cuyahoga County, Ohio

Analytical Method	Chemical Name <sup>1</sup>	Units	Maximum Concentration	Location of Maximum Concentration	Residential Standard for Single Chemical (Noncarcinogen)	Residential Noncarcinogenic Risk Ratio	Residential Standard for Single Chemical (Carcinogen)	Residential Carcinogenic Risk Ratio	C/I Standard for Single Chemical (Noncarcinogen)	C/I Noncarcinogenic Risk Ratio	C/I Standard for Single Chemical (Carcinogen)	C/I Carcinogenic Risk Ratio
<b>VOCs</b>												
EPA 8260	1,2,4-Trimethylbenzene	mg/kg	39.8	FAW-MW02(2-4)-102913	8.50E+01	4.68E-01	-	-	1.20E+02	3.32E-01	-	-
EPA 8260	1,3,5-Trimethylbenzene	mg/kg	16.8	FAW-MW02(2-4)-102913	1.90E+03	8.84E-03	-	-	2.20E+03	1.77E-01	-	-
EPA 8260	2-Butanone (MEK)	mg/kg	0.022	FAW-SB01(2-4)-102813	3.70E+04	5.95E-07	-	-	2.20E+03	1.09E-07	-	-
EPA 8260	Acetone	mg/kg	0.17	FAW-SB01(2-4)-102813	6.40E+04	2.66E-06	-	-	8.50E+03	2.00E-07	-	-
EPA 8260	Benzene	mg/kg	0.78	FAW-SB11(2-4)-103113	9.40E+01	8.30E-03	6.40E+01	1.22E-02	1.70E+02	4.99E-03	1.40E+02	3.57E-03
EPA 8260	Carbon disulfide	mg/kg	0.004 J	FAW-SB01(2-4)-102813	1.40E+03	2.86E-06	-	-	2.20E+03	1.82E-06	-	-
EPA 8260	Ethylbenzene	mg/kg	2.1	FAW-MW02(2-4)-102913	3.60E+03	5.83E-04	-	-	8.50E+03	2.47E-04	-	-
EPA 8260	Isopropylbenzene (Cumene)	mg/kg	0.079	FAW-MW02(2-4)-102913	2.70E+03	2.93E-05	-	-	5.70E+03	1.39E-05	-	-
EPA 8260	Methylene Chloride	mg/kg	0.013 J	FAW-SB03(2-4)-103113	2.20E+03	5.91E-06	2.50E+02	5.20E-05	4.90E+03	2.65E-06	5.70E+02	2.28E-05
EPA 8260	n-Butylbenzene	mg/kg	0.38 J	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8260	n-Hexane	mg/kg	0.027	FAW-SB01(2-4)-102813	5.30E+02	5.09E-06	-	-	8.00E+02	3.38E-05	-	-
EPA 8260	n-Propylbenzene	mg/kg	0.34 J	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8260	p-Isopropyltoluene	mg/kg	0.11	FAW-MW02(2-4)-102913	-	-	-	-	-	-	-	-
EPA 8260	sec-Butylbenzene	mg/kg	0.075	FAW-MW02(2-4)-102913	-	-	-	-	-	-	-	-
EPA 8260	Tetrachloroethene	mg/kg	0.0064	FAW-MW02(2-4)-102913	5.10E+02	1.25E-05	1.70E+01	3.76E-04	1.70E+03	3.76E-06	5.30E+01	1.21E-04
EPA 8260	Toluene	mg/kg	3.9	FAW-SB11(2-4)-103113	5.10E+03	7.65E-04	-	-	3.30E+04	1.18E-04	-	-
EPA 8260	Xylene (Total)	mg/kg	31.5	FAW-MW02(2-4)-102913	1.60E+03	3.15E-02	-	-	1.50E+03	2.10E-02	-	-
<b>SVOCs</b>												
EPA 8270	2-Methylnaphthalene	µg/kg	49700	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Acenaphthene	µg/kg	225000	FAW-SB11(2-4)-103113	3.50E+06	6.43E-02	-	-	5.60E+07	4.02E-03	-	-
EPA 8270	Anthracene	µg/kg	336000	FAW-SB11(2-4)-103113	1.80E+07	2.98E-02	-	-	2.80E+08	1.91E-03	-	-
EPA 8270	Benzo(a)anthracene	µg/kg	231000	FAW-SB11(2-4)-103113	-	-	1.10E+04	6.65E+01	-	-	7.60E+04	9.62E+00
EPA 8270	Benzo(b)fluoranthene	µg/kg	670000	FAW-SB11(2-4)-103113	-	-	1.10E+03	6.09E+02	-	-	7.70E+03	8.70E+01
EPA 8270	Benzo(k)fluoranthene	µg/kg	836000	FAW-SB11(2-4)-103113	-	-	1.10E+04	7.60E+01	-	-	7.70E+04	1.09E+01
EPA 8270	Benzo(e)pyrene	µg/kg	330000	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Benzo(k)fluoranthene	µg/kg	335000	FAW-SB11(2-4)-103113	-	-	1.10E+03	3.05E+00	-	-	7.70E+05	4.35E-01
EPA 8270	benz(a)anthracene	µg/kg	43500	FAW-SB01(2-4)-102813	1.30E+06	3.35E-02	6.20E+05	7.02E-02	2.20E+07	1.98E-03	4.80E+06	9.06E+03
EPA 8270	benz(b)fluoranthene	µg/kg	330000	FAW-SB11(2-4)-103113	1.30E+07	2.54E-02	6.20E+05	3.32E-01	2.20E+08	1.50E-03	4.80E+06	6.88E+02
EPA 8270	Chrysene	µg/kg	658000	FAW-SB11(2-4)-103113	-	-	1.10E+06	3.98E-01	-	-	7.60E+06	8.66E+02
EPA 8270	Dibenz(a,h)anthracene	µg/kg	116000	FAW-SB11(2-4)-103113	-	-	1.10E+03	1.05E+02	-	-	7.70E+03	1.51E+01
EPA 8270	Dibenzofuran	µg/kg	187000	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Fluoranthene	µg/kg	1770000	FAW-SB11(2-4)-103113	2.40E+06	7.38E-01	-	-	3.70E+07	4.78E-02	-	-
EPA 8270	Fluorene	µg/kg	278000	FAW-SB11(2-4)-103113	2.40E+06	1.66E-01	-	-	3.70E+07	7.31E-03	-	-
EPA 8270	Indene(1,2,3-cd)pyrene	µg/kg	331000	FAW-SB11(2-4)-103113	-	-	1.10E+04	3.01E+01	-	-	7.70E+04	4.30E+00
EPA 8270	Naphthalene	µg/kg	90700	FAW-SB11(2-4)-103113	1.80E+05	5.68E-01	6.90E+04	1.31E+00	2.80E+05	3.24E-01	1.50E+05	6.05E-01
EPA 8270	Phenanthrene	µg/kg	1740000	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Pyrene	µg/kg	1420000	FAW-SB11(2-4)-103113	1.80E+06	7.89E-01	-	-	2.80E+07	5.07E-02	-	-
<b>TPHs</b>												
EPA 8015 Mod Ex	Total Petroleum Hydrocarbons	mg/kg	23600	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8015 Mod Ex	TPH (C10-C20)	mg/kg	5370	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8015 Mod Ex	TPH (C20-C34)	mg/kg	18200	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8015 Mod Po	TPH (C06-C12)	mg/kg	398	FAW-MW02(2-4)-102913	-	-	-	-	-	-	-	-
<b>Metals</b>												
EPA 6010	Aluminum	mg/kg	14400	FAW-SB07(2-4)-103113	-	-	-	-	-	-	-	-
EPA 6010	Antimony	mg/kg	16.6	FAW-MW01(0-2)-102813D	3.00E+01	5.35E-01	-	-	1.20E+03	1.38E-02	-	-
EPA 6010	Arsenic	mg/kg	107	FAW-SB05(2-4)-103113	2.10E+01	5.10E+00	6.70E+00	1.60E+01	6.10E+02	1.75E-01	8.20E+01	1.30E+00
EPA 6010	Barium	mg/kg	951	FAW-SB07(2-4)-103113	1.50E+04	6.34E-02	-	-	3.70E+05	2.57E-03	-	-
EPA 6010	Beryllium	mg/kg	1.6	FAW-MW01(0-2)-102813	1.50E+02	1.07E-02	1.40E+04	1.00E-04	5.10E+03	3.14E-04	3.80E+04	4.10E-05
EPA 6010	Cadmium	mg/kg	34.6	FAW-SB06(2-4)-103013	7.20E+01	4.91E-01	2.20E+04	1.57E-03	2.30E+03	1.50E-02	5.20E+04	6.65E-04
EPA 6010	Chromium	mg/kg	284	FAW-SB05(2-4)-103113	2.30E+02	1.23E+00	3.30E+03	8.61E-02	8.40E+03	3.38E-02	7.90E+03	3.59E-02
EPA 6010	Cobalt	mg/kg	18.5	FAW-SB09(2-4)-103113	1.40E+03	1.32E-02	1.40E+04	1.32E-03	2.30E+04	8.04E-04	3.40E+04	5.44E-04
EPA 6010	Copper	mg/kg	794	FAW-SB04(2-4)-103113	-	-	-	-	-	-	-	-
EPA 6010	Lead	mg/kg	2520	FAW-SB04(2-4)-103113	-	-	-	-	-	-	-	-
EPA 6010	Nickel	mg/kg	151	FAW-SB03(2-4)-103113	1.50E+03	1.01E-01	-	-	4.40E+04	3.43E-03	-	-
EPA 6010	Silver	mg/kg	6.1	FAW-MW01(0-2)-102813D	3.80E+02	1.61E-02	-	-	1.50E+04	4.07E-04	-	-
EPA 6010	Thallium	mg/kg	3	FAW-SB01(2-4)-102813	6.10E+00	4.92E-01	-	-	2.30E+02	1.30E-02	-	-
EPA 6010	Vanadium	mg/kg	94.5	FAW-SB05(2-4)-103113	6.80E+02	1.39E-01	-	-	2.60E+04	3.63E-03	-	-
EPA 6010	Zinc	mg/kg	7140	FAW-SB08(2-4)-103113	2.30E+04	3.10E-01	-	-	8.80E+05	8.11E-03	-	-
EPA 7471	Mercury	mg/kg	2.8	FAW-MW01(0-2)-102813D	7.60E+00	3.68E-01	-	-	2.90E+02	9.66E-03	-	-
<b>PCBs</b>												
EPA 8082	PCB-1254 (Aroclor 1254)	µg/kg	516.1	FAW-MW03(2-4)-102913	-	-	-	-	-	-	-	-
EPA 8082	PCB-1260 (Aroclor 1260)	µg/kg	973.1	FAW-SB06(2-4)-103013	-	-	-	-	-	-	-	-
EPA 8082	Total PCBs <sup>2</sup>	µg/kg	973.1	FAW-SB06(2-4)-103013	1.20E+03	8.11E-01	4.00E+03	2.43E-01	1.80E+04	5.41E-02	2.60E+04	3.74E-02
<b>Cumulative Risk Ratio</b>					12.51		<b>Cumulative Risk Ratio</b>		968.97	<b>Cumulative Risk Ratio</b>		1.31
<b>Cumulative Risk Ratio</b>					12.51		<b>Cumulative Risk Ratio</b>		968.97	<b>Cumulative Risk Ratio</b>		129.44

Notes:  
<sup>1</sup> Only positively detected chemicals displayed  
<sup>2</sup> Total PCBs value is the sum of all positively detected PCB congeners  
 µg/kg = Micrograms per kilogram  
 ID = Identification  
 J = Result is estimated

mg/kg = Milligrams per kilogram  
 PCB = Polychlorinated biphenyl  
 SVOC = Semi-volatile organic compound  
 TPH = Total petroleum hydrocarbons  
 VOC = Volatile organic compound



**Table 6**  
**Groundwater Analytical Results**  
**Former Fulton Auto Wrecking Property**  
**Cleveland, Cuyahoga County, Ohio**

			Location ID	FAW-MW01	FAW-MW02	FAW-MW02	FAW-MW03
			Field Sample ID	FAW-MW01-110413	FAW-MW02-110413	FAW-MW02-110413D	FAW-MW03-110413
			Sample Date	11/4/2013	11/4/2013	11/4/2013	11/4/2013
Analytical Method	Chemical Name <sup>1</sup>	Criteria Level <sup>2</sup>	Unit				
<b>VOCs</b>							
EPA 8260	1,2,4-Trimethylbenzene	140	µg/L	5.0 U	5.0 U	2.9 J	5.0 U
<b>SVOCs</b>							
EPA 8270 by SIM	Acenaphthene	950	µg/L	1.0 U	1.0 U	1.0 U	0.73 J
EPA 8270 by SIM	Anthracene	4700	µg/L	0.10 U	0.10 U	0.10 U	0.21
EPA 8270 by SIM	Benzo(a)anthracene	0.63	µg/L	0.10 U	0.10 U	0.10 U	0.064 J
<b>Metals</b>							
EPA 6010	Aluminum	-	µg/L	1000 U	1000 U	1000 U	872 J
EPA 6010	Antimony	6	µg/L	4.0 J	6.0 U	6.0 U	6.0 U
EPA 6010	Barium	2000	µg/L	71.8 J	70.0 J	67.9 J	51.0 J
EPA 6010	Selenium	50	µg/L	5.2 J	10.0 U	10.0 U	10.0 U

Notes:

<sup>1</sup>Only positively detected chemicals displayed

<sup>2</sup>Ohio Voluntary Action Program Generic Unrestricted Potable Use Standards (based on Maximum Contaminant Levels or risk-derived)

- = Not available

µg/L = Micrograms per liter

ID = Identification

J = Result is estimated

PCB = Polychlorinated biphenyl

SVOC = Semivolatile organic compound

U = Parameter not detected, reporting limit is presented

VOC = Volatile organic compound

**Table 7**  
**IDW Soil Analytical Results**  
**Former Fulton Auto Wrecking Property**  
**Cleveland, Cuyahoga County, Ohio**

		Location ID	FAW-IDW01	FAW-IDW02	FAW-IDW03
		Field Sample ID	FAW-IDW01-102813	FAW-IDW02-102913	FAW-IDW03-110113
		Sample Date	10/28/2013	10/29/2013	11/1/2013
Analytical Method	Chemical Name <sup>1</sup>	Unit			
<b>TCLP VOCs</b>					
No detections of TCLP VOCs					
<b>TCLP SVOCs</b>					
No detections of TCLP SVOCs					
<b>TCLP Pesticides</b>					
No detections of TCLP Pesticides					
<b>TCLP Metals</b>					
EPA 6010	Arsenic, TCLP	mg/L	0.0054 J	0.013	0.1 U
EPA 6010	Barium, TCLP	mg/L	0.67	0.56	0.43 J
EPA 6010	Cadmium, TCLP	mg/L	0.0039 J	0.0031 J	0.054
EPA 6010	Chromium, TCLP	mg/L	0.01 U	0.014	0.1 U
EPA 6010	Lead, TCLP	mg/L	0.091	0.06	0.2
<b>Miscellaneous Analyses</b>					
ASTM D2974-87	Percent Moisture	%	-	13.4	-
EPA 1010	Flashpoint	°F	>180	>180	>180

Notes:

- <sup>1</sup>Only positively detected chemicals displayed
- °F = Degree Fahrenheit
- > = Greater than
- = Not analyzed
- % = Percent
- ID = Identification
- J = Result is estimated
- mg/L = Milligrams per liter
- SVOC = Semivolatile organic compound
- TCLP = Toxicity Characteristic Leaching Procedure
- U = Parameter not detected, reporting limit is presented
- VOC = Volatile organic compound

Table 8  
 IDW Water Analytical Results  
 Former Fulton Auto Wrecking Property  
 Cleveland, Cuyahoga County, Ohio

		Location ID	FAW-IDW04	FAW-IDW05
		Field Sample ID	FAW-IDW04-110113	FAW-IDW05-110413
		Sample Date	11/1/2013	11/4/2013
Analytical Method	Chemical Name <sup>1</sup>	Unit		
<b>VOCs</b>				
EPA 8260	Ethylbenzene	µg/L	5.7	-
EPA 8260	Toluene	µg/L	109	-
EPA 8260	Xylene (Total)	µg/L	35.4	-
<b>SVOCs</b>				
No detections of SVOCs				
<b>PCBS</b>				
No detections of PCBs				
<b>Metals</b>				
EPA 6010	Arsenic	µg/L	14.6	-
EPA 6010	Barium	µg/L	78.5 J	-
EPA 6010	Chromium	µg/L	12.2	-
EPA 6010	Lead	µg/L	64	-

Notes:

- <sup>1</sup>Only positively detected chemicals displayed
- °F = Degree Fahrenheit
- µg/L = Milligrams per liter
- = Not analyzed
- % = Percent
- ID = Identification
- J = Result is estimated
- PCB = Polychlorinated biphenyl
- SVOC = Semivolatile organic compound
- U = Parameter not detected, reporting limit is presented
- VOC = Volatile organic compound